

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of determining expectancy ranges to which echoes from a filling level envelope curve are assigned, which curve has been generated by a filling level measurement device. The determination of these expectancy ranges takes place in consideration of the temporal behavior of past echo data. Since these expectancy ranges exhibit a predeterminable range width, a statement can be made with a predeterminable probability whether an echo – be it at filling level echo or a false echo – assigned to such a range, has been assigned erroneously to this range. When, for example, an expectancy range for a filling level echo has been prognosticated, then it may be assumed with a predeterminable probability that an echo falling within this expectancy range, actually is a filling level echo. The invention moreover relates to an evaluation means configured for carrying out this method and a level gauge. Furthermore, the present invention relates to a computer program and a computer program product including instructions for carrying out the method according to the invention.

(Fig. 6)
